Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/07/2022 10:35 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	127095	1	1.70	127013	1.67
Blue	F	SSC	125000	127185	1	2.64	127748	2.48
Blue	E	FITC	13602	13390	-2	2.75	373	13.02
Blue	D	PE	24891	24766	-1	2.33	587	10.44
Blue	B	PerCP-Cy5-5	33972	33956	-1	3.43	962	14.72
Blue	A	PE-Cy7	22865	23530	2	5.29	494	30.34
Red	C	APC	47198	47396	0	3.05	1630	11.37
Red	A	APC-Cy7	26454	26402	-1	3.42	744	12.82
Violet	B	V450	6737	6655	-2	3.92	459	11.31
Violet	A	V500	29317	28924	-2	3.58	985	8.44

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24491	3.27	533	-2	N/A	N/A	Pass
Blue	F	SSC	57061	2.46	519	-2	N/A	N/A	Pass
Blue	E	FITC	55	53.22	485	1	0.0485	105	Pass
Blue	D	PE	115	38.44	488	2	0.4399	340	Pass
Blue	B	PerCP-Cy5-5	153	39.81	582	3	0.0207	57	Pass
Blue	A	PE-Cy7	82	79.24	628	7	0.0225	4	Pass
Red	C	APC	341	26.91	577	5	0.0310	349	Pass
Red	A	APC-Cy7	138	35.11	556	5	0.0058	1039	Pass
Violet	B	V450	78	45.62	453	3	0.0588	2124	Pass
Violet	A	V500	117	30.41	472	3	0.0260	838	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.66	-31.43	1.00
Blue	20.35	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.43
Red	15.22	13.90 - 20.86	N/A	N/A	29.87	30.14	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 10479

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments